

JFA Pcr/09

Serial Number:

09/743,533

CRF Processing Date:

2/26/2002

Edited by:

Verified by:

(STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT09

## RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/09/743,533

TIME: 12:50:48

Input Set : N:\jumbos\09743533.txt

Output Set: N:\CRF3\02262002\I743533.raw

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2 <110> APPLICANT: Commonwealth Scientific and Industrial Research Organisation
4 <120> TITLE OF INVENTION: Modified Proteins
7 <130> FILE REFERENCE: A-70233/RFT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/743,533
C--> 10 <141> CURRENT FILING DATE: 2001-01-10
12 <150> PRIOR APPLICATION NUMBER: AU PP4604
13 <151> PRIOR FILING DATE: 1998-08-10
15 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: FastSEQ for Windows Version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 41
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: unknown
27 <400> SEQUENCE: 1
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31 <211> LENGTH: 51
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: unknown
38 <400> SEQUENCE: 2
39 ggatccctag accatactcc atatgcatga agcttggttg gggactgggt g 51
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 24
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: unknown
49 <400> SEQUENCE: 3
50 caagcttgta ccactccac cgcc 24
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 27
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: unknown
60 <400> SEQUENCE: 4
61 ccatatgcac cgccaggtgt cagtcac 27
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 21

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RAW SEQUENCE LISTING  
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66 <213> ORGANISM: Artificial Sequence
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69 <223> OTHER INFORMATION: unknown
71 <400> SEQUENCE: 5
72 gtcggcaatg aagattgcac c 21
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 24
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: unknown
82 <400> SEQUENCE: 6
83 tccaactgcg ttctcctctt ggcc 24
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 24
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: unknown
93 <400> SEQUENCE: 7
94 ggatccctag ctccactgag actc 24
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 33
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: unknown
105 <400> SEQUENCE: 8
106 tgcgctcaag ctttaggcaa tgaagattgc acc 33
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 30
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: unknown
116 <400> SEQUENCE: 9
117 catactccat atgcagctcc actgagactc 30
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 24
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: unknown
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128 caagcttacg atgttgctgg cggg 24
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 29
132 <212> TYPE: DNA

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Input Set : N:\jumbos\09743533.txt

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133 <213> ORGANISM: Artificial Sequence
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136 <223> OTHER INFORMATION: unknown
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139 ccatatgcac cagtaatagc caatagtgc 29
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 23
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: unknown
149 <400> SEQUENCE: 12
150 caaccatgtc ctgaaccttc acc 23
152 <210> SEQ ID NO: 13
153 <211> LENGTH: 18
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: unknown
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163 <210> SEQ ID NO: 14
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165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: unknown
171 <400> SEQUENCE: 14
172 atagaataca gcatgtctccc ggccgccatg gccgcgggat tgtcatgagg caactaaacc 60
173 cttgcagcgt cccccaacaa gcttcatgca tatggagtat ggtctagggg tccgggtacc 120
174 gagctcgaat tcgccctata 140
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 20
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: unknown
184 <400> SEQUENCE: 15
185 Met Arg Gln Leu Asn Pro Cys Ser Val Pro Gln Gln Ala Ser Cys Ile
186 1 5 10 15
187 Trp Ser Met Val
188 20
190 <210> SEQ ID NO: 16
191 <211> LENGTH: 243
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: unknown
198 <400> SEQUENCE: 16

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199 caagctttga aagccgctac tgcgacagca gctggatcat tgcttggtgt atccgggacta 60
200 atactagctg gcacagtcac agcactcaca gtggccacac cagtgtctagt catatttagc 120
201 ccagtgtctg tgccagcggc catagcccta gcgctaagt cagcaggctt tgtcacgtca 180
202 ggcgggctgg gcgtggctgc gctgagctcc tttagtgtgt tagccaatac tgcctgcata 240
203 tgg 243
205 <210> SEQ ID NO: 17
206 <211> LENGTH: 81
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: unknown
213 <400> SEQUENCE: 17
214 Gln Ala Leu Lys Ala Ala Thr Ala Thr Ala Ala Gly Ser Leu Leu Val
215 1 5 10 15
216 Leu Ser Gly Leu Ile Leu Ala Gly Thr Val Ile Ala Leu Thr Val Ala
217 20 25 30
218 Thr Pro Val Leu Val Ile Phe Ser Pro Val Leu Val Pro Ala Ala Ile
219 35 40 45
220 Ala Leu Ala Leu Met Ser Ala Gly Phe Val Thr Ser Gly Gly Leu Gly
221 50 55 60
222 Val Ala Ala Leu Ser Ser Phe Ser Val Leu Ala Asn Thr Ala Cys Ile
223 65 70 75 80
224 Trp
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 477
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: unknown
235 <400> SEQUENCE: 18
236 atgaggcaac taaacccttg cagccaagag ttgcaatcac cacaacaatc atatctgccg 60
237 cagccataatc cacaaaaccc atatctaccg caaaaacccat ttccagtgtg gcaaccgttt 120
238 cacacacccc aacaatattt cccctatcta ccagaggaat tgtttcccca atatcaaata 180
239 ccaaccccc tacaaccaca acaaccattc cccaacaac cacaacaacc tcttcctcgg 240
240 cccaacaac cattcccctg gcaaccacaa caaccatttc cccagcccca agaaccaatt 300
241 cccaacaac cattcccctg gcaaccacaa caaccatttc cccagcccca agaaccaatt 360
242 caacaaataa ttttcagca accccaacaa tcataccctg tgcaacctca acagccattt 420
243 cctcaacaac ctcaaccagt cccaacaac gtttcattga tatggagtat ggtctag 477
245 <210> SEQ ID NO: 19
246 <211> LENGTH: 158
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: unknown
253 <400> SEQUENCE: 19
254 Met Arg Gln Leu Asn Pro Cys Ser Gln Glu Leu Gln Ser Pro Gln Gln
255 1 5 10 15
256 Ser Tyr Leu Gln Gln Pro Tyr Pro Gln Asn Pro Tyr Leu Pro Gln Lys
257 20 25 30

```

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```

258 Pro Phe Pro Val Gln Gln Pro Phe His Thr Pro Gln Gln Tyr Phe Pro
259          35                      40                      45
260 Tyr Leu Pro Glu Glu Leu Phe Pro Gln Tyr Gln Ile Pro Thr Pro Leu
261          50                      55                      60
262 Gln Pro Gln Gln Pro Phe Pro Gln Gln Pro Gln Gln Pro Leu Pro Arg
263          65                      70                      75                      80
264 Pro Gln Gln Pro Phe Pro Trp Gln Pro Gln Gln Pro Phe Pro Gln Pro
265          85                      90                      95
266 Gln Glu Pro Ile Pro Gln Gln Pro Gln Gln Pro Phe Pro Gln Gln Pro
267          100                     105                     110
268 Gln Gln Pro Phe Pro Gln Gln Pro Gln Gln Ile Ile Phe Gln Gln Pro
269          115                     120                     125
270 Gln Gln Ser Tyr Pro Val Gln Pro Gln Gln Pro Phe Pro Gln Gln Pro
271          130                     135                     140
272 Gln Pro Val Pro Gln Gln Ala Ser Cys Ile Trp Ser Met Val
273          145                     150                     155
275 <210> SEQ ID NO: 20
276 <211> LENGTH: 338
277 <212> TYPE: DNA
278 <213> ORGANISM: Aspergillus niger
280 <400> SEQUENCE: 20
281 aagcttctac cactcccacc gccgtggctg tgactttcga tctgacagct accaccacct 60
282 acggcgagaa catctacctg gtcggatcga tctctcagct gggtgactgg gaaaccagcg 120
283 acggcatagc tctgagtgtg gacaagtaca cttccagcga cccgctctgg tatgtcactg 180
284 tgactctgcc ggctgggtgag tcgttttgagt acaagtttat ccgcattgag agcgatgact 240
285 ccgtggagtg ggagagtgat cccaaccgag aatacacctg tcctcaggcg tgcggaacct 300
286 cgaccgcgac ggtgactgac acctggcggt gcatatgg 338
288 <210> SEQ ID NO: 21
289 <211> LENGTH: 112
290 <212> TYPE: PRT
291 <213> ORGANISM: Aspergillus niger
293 <400> SEQUENCE: 21
294 Ala Ser Thr Thr Pro Thr Ala Val Ala Val Thr Phe Asp Leu Thr Ala
295 1          5          10          15
296 Thr Thr Thr Tyr Gly Glu Asn Ile Tyr Leu Val Gly Ser Ile Ser Gln
297          20          25          30
298 Leu Gly Asp Trp Glu Thr Ser Asp Gly Ile Ala Leu Ser Ala Asp Lys
299          35          40          45
300 Tyr Thr Ser Ser Asp Pro Leu Trp Tyr Val Thr Val Thr Leu Pro Ala
301          50          55          60
302 Gly Glu Ser Phe Glu Tyr Lys Phe Ile Arg Ile Glu Ser Asp Asp Ser
303          65          70          75          80
304 Val Glu Trp Glu Ser Asp Pro Asn Arg Glu Tyr Thr Val Pro Gln Ala
305          85          90          95
306 Cys Gly Thr Ser Thr Ala Thr Val Thr Asp Thr Trp Arg Cys Ile Trp
307          100         105         110
309 <210> SEQ ID NO: 22
310 <211> LENGTH: 371
311 <212> TYPE: DNA

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/743,533

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Input Set : N:\jumbos\09743533.txt

Output Set: N:\CRF3\02262002\I743533.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date